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Plextronics Wins Technical Development Materials Award from IDTechEx

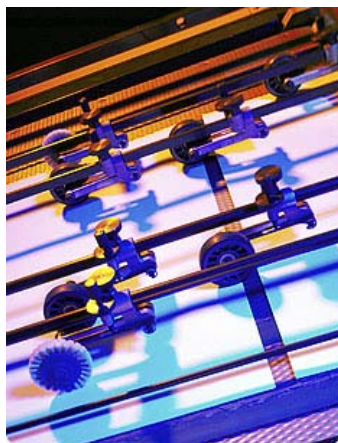
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Pittsburgh, PA — December 12, 2008 — **Plextronics, Inc.** —an international technology company that specializes in printed solar, lighting and other organic electronics — was awarded the 2008 **Technical Development Materials Award by IDTechEx**. The company was presented with the honor at the Printed Electronics 2008 Awards dinner in San Jose on December 3.

A panel of judges, which was comprised of an independent international advisory board, was charged with finding the most impressive material development in all of printed electronics during the last 12 months. Plextronics' launch of its Plexcore® PV 1000 and Plexcore® PV 2000 ink systems for use in research-scale printed solar cell development was chosen as the winner.

Andy Hannah, President and CEO of Plextronics, said, "We are very proud of this new ink system — it enables our customers access to the materials and technology that can help them consistently achieve state-of-the-art OPV efficiencies, potentially nearing world-record champion results."

Developed around Plextronics' organic photovoltaic technology - which was certified by NREL earlier this year at 5.98 percent efficient - next generations of the Plexcore® PV ink systems will be designed for use in pilot and early manufacturing lines, further advancing commercial production on an industry-wide level.

Raghu Das, CEO of IDTechEx, had this to say about the Plextronics win: "The materials developed by Plextronics are clearly world-class and are helping the industry as a whole to accelerate OPV development efforts," he said. "The company is at the forefront of organic material development, and is consistently building on its core strengths of materials and process technology. I expect we'll continue to see this kind of innovation from Plextronics."

Hannah also added, "To have our efforts recognized by IDTechEx is extremely gratifying for us. This is an exciting day for our company and, most importantly, for all of our employees whose hard work, ideas and dedication are responsible for creating award-winning products."

About Plextronics, Inc.

Plextronics, Inc. is an international technology company that specializes in printed solar, lighting and other organic electronics. Headquartered in Pittsburgh, PA., the company's focus is on organic solar cell and organic light emitting diodes (OLED), specifically the conductive inks and process technologies that enable those and other similar applications.

With a company vision of enabling 15 billion printed electronic devices by 2015, Plextronics is creating technology capable of commercial-scale manufacturability and performance. The company's device design, process technology and Plexcore® branded inks enable the formation of active electrical layers — the key drivers of printed electronics.

The privately held company was founded in 2002 as a spinout from Carnegie Mellon University, based upon conductive polymer technology developed by Dr. Richard McCullough. Over the past six years, Plextronics scientists have refined and further developed this technology to deliver exceptional performance for printed electronics.

Specific to **Plexcore® PV**, it is a ready-to-use ink system that consistently delivers world-class performance for printed solar power. The ink system consists of a p/n photoactive ink and a custom-designed hole transport ink that are solution-processable.

In printed solar cells, sunlight is collected in the photoactive layer to create charge carriers. When voltage is applied to the device, these carriers are separated into positive and negative charges that create power. The combination of the Plexcore® PV inks in a printed solar cell enables consistently improved device efficiency, which results in the ability to convert more sunlight into power.